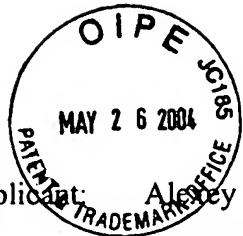


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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Alexey Zdanovsky et al.

Title: RAPIDLY DEGRADED REPORTER FUSION PROTEINS

Docket No.: 341.021US1

Filed: September 16, 2003

Examiner: Unknown

Serial No.: 10/664341

Due Date: N/A

Group Art Unit: 1651

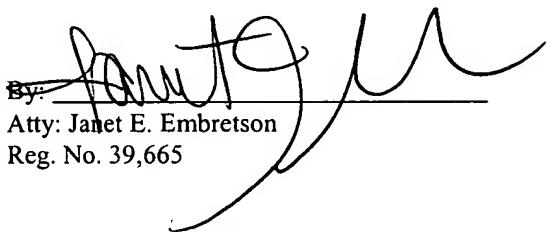
Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

We are transmitting herewith the following attached items (as indicated with an "X"):

- A return postcard.
- A Supplemental Information Disclosure Statement (2 pgs.), Form 1449 (3 pgs.), and copies of 32 cited documents.

Please consider this a PETITION FOR EXTENSION OF TIME for sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
Customer Number 21186

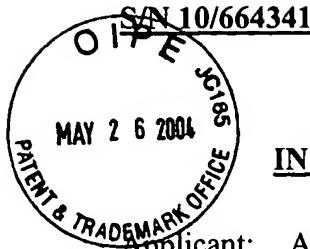
By: 
Atty: Janet E. Embretson
Reg. No. 39,665

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Janet E. Embretson
Name

Janet E. Embretson
Signature

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
(GENERAL)



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Alexey Zdanovsky et al. Examiner: Unknown
Serial No.: 10/664341 Group Art Unit: 1651
Filed: September 16, 2003 Docket: 341.021US1
Title: RAPIDLY DEGRADED REPORTER FUSION PROTEINS

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Supplemental Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. § 1.97(b), it is believed that no fee or statement is required with the Supplemental Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Supplemental Information Disclosure Statement considered.

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

The present application is either a U.S. national patent application filed after June 30, 2003 or an international application that entered the national stage under 35 U.S.C. § 371 after June 30, 2003. Thus, Applicant believes that the U.S. Patent & Trademark Office has waived the requirement under 37 C.F.R. 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication. The waiver is provided in a pre-OG notice from the U.S. Patent & Trademark Office entitled "Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003" and dated July 11, 2003. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

Respectfully submitted,

ALEXEY ZDANOVSKY ET AL.

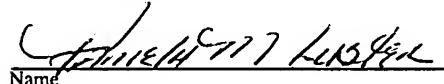
By their Representatives,

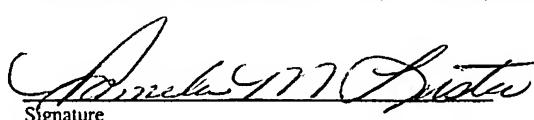
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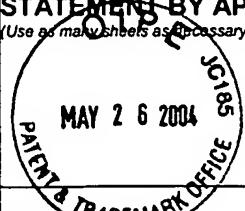
Date May 21, 2004

By 
Janet E. Embretson
Reg. No. 39,665

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Name


Signature

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 Sheet 1 of 1		Attorney Docket No: 341.021US1	

US PATENT DOCUMENTS						
Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T ²

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T ²
		BALMER, L A., et al., "Identification of a Novel AU-Rich Element in the 3' Untranslated Region of Epidermal Growth Factor Receptor mRNA That is the Target for Regulated RNA-Binding Proteins", <u>Molecular and Cellular Biology</u> , Vol. 21, No. 6, (March 2001), pgs. 2070-2084				
		BELANGER, G , et al., "CIS and Trans-Acting Factors Controlling Acetylcholinesterase mRNA Stability During Myogenic Differentiation", <u>Society for Neuroscience Abstracts</u> , 26(1-2), Abstract 411.7, (Nov. 4-9, 2000),				
		BRONSTEIN, IRENA , et al., "Chemiluminescent and Bioluminescent Reporter Gene Assays", <u>Anaytical Biochemistry</u> 219, (1994), pgs. 169-181				
		CHAN, MING-TSAIR , et al., "The 3' untranslated region of a rice alpha-amylase gene functions as a sugar-dependent mRNA stability determinant", <u>Proc Natl Acad Sci U S A</u> , Vol 95, (May 1998), pgs. 6543-6547				
		CHAN, MING-TSAIR , et al., "The 3' Untranslated Region of a Rice Alpha-Amylase Gene Mediates Sugar-Dependent Abundance of mRNA", <u>The Plant Journal</u> , 15(5), (1998), pgs. 685-695				
		FARHANA, LULU , et al., "Okadaic Acid-Mediated Induction of the c-fos Gene in Estrogen Receptor-Negative Human Breast Carcinoma Cells Utilized, in Part, Posttranscriptional Mechanisms Involving Adenosine-Uridine-Rich Elements", <u>Cell Growth and Differentiation</u> , Vol. 11, (October 2000), 541-550				
		FORT, PHILIPPE , et al., "Regulation of c-fos gene expression in hamster fibroblasts: initiation and elongation of transcription and mRNA degradation", <u>Nucleic Acids Research</u> , Vol 15, No. 14, (1987), pgs 5657-5667				
		GAY, E , et al., "AUUUA Sequences Compromise Human Insulin-Like Growth Factor Binding Protein-1 mRNA Stability", <u>Biochem Biophys Res Commun</u> . 267, (2000), pgs. 509-515				
		HACK, NASHRUDEEN , et al., "Regulation of Rat Kidney Mesangial Cell Phospholipase A2", <u>Clinical and Experimental Pharmacology and Physiology</u> , 23, (1996), pgs. 71-75				
		KISHORE, RAJ , "Cutting Edge: Clustered AU-Rich Elements are the Target of IL-10-Mediated mRNA Destabilization in Mouse Macrophages", <u>Journal of Immunol.</u> , (1999), pgs. 2457-61				
		KRUYS, V , et al., "Translational Control Mediated by UA-Rich Sequences", <u>Enzyme</u> , (1990), pgs. 193-202				

EXAMINER

DATE CONSIDERED

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete If Known Application Number 10/664341 Filing Date September 16, 2003 First Named Inventor Zdanovsky, Alexey Group Art Unit 1651 Examiner Name Unknown	
Sheet 2 of 3		Attorney Docket No: 341.021US1	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		LAGNADO, CATHY A., et al., "AUUUA is not sufficient to promote poly(A) shortening and degradation of an mRNA: the functional sequence within AU-rich elements may be UUAUUUA(U/A)(U/A)", <u>Mol Cell Biol.</u> , Vol 14, No. 12., (December 1994), pgs 7984-95	
		LAZAROV, MIRELLA E., et al., "Human phosphducin-like protein (hPhLP) messenger RNA stability is regulated by cis-acting instability elements present in the 3'-untranslated region", <u>Biochimica et Biophys Acta</u> 1446, (1999), pgs. 253-264	
		LOETSCHER, PIUS, et al., "The C terminus of mouse ornithine decarboxylase confers rapid degradation on dihydrofolate reductase. Support for the pest hypothesis", <u>The Journal of Biol Chem.</u> , Vol 266, No. 17., (June 15, 1991), pgs. 11213-20	
		LU, DEBORAH L., et al., "3' Untranslated Region-Mediated Regulation of Luteinizing Hormone/Human Chorionic Gonadotropin Receptor Expression", <u>Biochemistry</u> , 35., (1996), 12347-53	
		MZIAUT, HASSAN, et al., "The N terminus of microsomal delta 9 stearoyl-CoA desaturase contains the sequence determinant for its rapid degradation", <u>Proc Natl Acad Sci</u> , Vol 97, No. 16., (August 1, 2000), pgs. 8883-8888	
		NAIR, ANIL K., et al., "Regulatory role of the 3' untranslated region of luteinizing hormone receptor: effect on mRNA stability", <u>FEBS Letters</u> 471., (February 2, 2000), pages 39-44	
		NOTI, JOHN D., et al., "The leukocyte integrins are regulated by transcriptional and post-transcriptional mechanisms in a leukemic cell that overexpresses protein kinase C-zeta", <u>Int'l Journal of Oncol.</u> 19., (2001), pgs. 1311-1318	
		RECHSTEINER, MARTIN, "Do myc, fos and E1A function as protein phosphatase inhibitors", <u>Biochem Biophys Res Commun.</u> , Vol. 143(1), (February 27, 1987), pages 194-8	
		RODRIGUEZ-PASCUAL, FERNANDO, et al., "Complex Contribution of the 3'-Untranslated Region to the Expressional Regulation of the Human Inducible Nitric-Oxide Synthase Gene - Involvement of the RNA-binding protein HuR", <u>The Journal of Biological Chemistry</u> , Vol. 275, No. 34., (August 25, 2000), pgs. 26040-26049	
		ROSS, J., "Messenger RNA turnover in eukaryotic cells", <u>Mol Biol Med.</u> , 5(1), (February 1988), 1-14	
		ROSS, JEFF, "mRNA stability in mammalian cells", <u>Microbiol Rev.</u> , 59(3), (September 1995), 423-50	
		SHIBATA, T., et al., "Development of a hypoxia-responsive vector for tumor-specific gene therapy", <u>Gene Therapy</u> , (2000), 493-498	
		STOECKLIN, GEORG, et al., "Somatic mRNA Turnover Mutants Implicate Tristetraprolin in the Interleukin-3 mRNA Degradation Pathway", <u>Mol and Cell Biol.</u> , (2000), pgs. 3753-3763	

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DATE CONSIDERED

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		<i>Complete if Known</i>	
		Application Number	10/664341
		Filing Date	September 16, 2003
		First Named Inventor	Zdanovsky, Alexey
		Group Art Unit	1651
		Examiner Name	Unknown
Sheet 3 of 3		Attorney Docket No: 341.021US1	

OTHER DOCUMENTS – NON PATENT LITERATURE DOCUMENTS			
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		THOLANI KUNNEL, BABY G., et al., "Analysis of the AU-rich elements in the 3'-untranslated region of beta 2-adrenergic receptor mRNA by mutagenesis and identification of the homologous AU-rich region from different species", <u>Biochemistry</u> , 38, (1999), pgs. 15564-72	
		THOMPSON, JOHN F., et al., "Modulation of firefly luciferase stability and impact on studies of gene regulation", <u>Gene</u> , 103, (1991), pgs. 171-177	
		WANG, JINGMING , et al., "Dexamethasone regulation of lung epithelial cell and fibroblast interleukin-11 production", <u>The American Physiological Society</u> , (1999), pgs. L175-L185	
		WANG, ENHONG , et al., "Posttranscriptional Regulation of Protein Expression in Human Epithelial Carcinoma Cells by Adenine-Uridine-Rich Elements in the 3'-Untranslated Region of Tumor Necrosis Factor-Alpha Messenger RNA.", <u>Cancer Research</u> 57, (December 1, 1997), 5426-5433	
		WINZEN, REINHARD , et al., "The p38 MAP kinase pathway signals for cytokine-induced mRNA stabilization via MAP kinase-activated protein kinase 2 and an AU-rich region-targeted mechanism", <u>EMBO Journal</u> , Vol. 18 - No. 18, (September 15, 1999), pgs. 4969-80	
		WRESCHNER, DANIEL H., et al., "Differential mRNA stability to reticulocyte ribonucleases correlates with 3' non-coding (U)nA sequences", <u>Eur J Biochem</u> 172, (1988), pgs. 333-340	
		ZHOU, XIAOFENG , et al., "Posttranscriptional Destabilization of the Bradykinin B1 Receptor Messenger RNA: Cloning and Functional Characterization of the 3'-Untranslated Region", <u>Molecular Cell Biology Research Communications</u> 1, (1999), pgs. 29-35	
		ZUBIAGA, ANA M., et al., "The nonamer UUAUUAUUAU is the key AU-rich sequence motif that mediates mRNA degradation", <u>Mol Cell Biol.</u> , Vol. 15, No. 4, (April 1995), pgs 2219-30	

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